

FIG.1

EXAMPLE OF DVD-R IN WHICH
PRE-PIT IS FORMED ON LAND TRACK

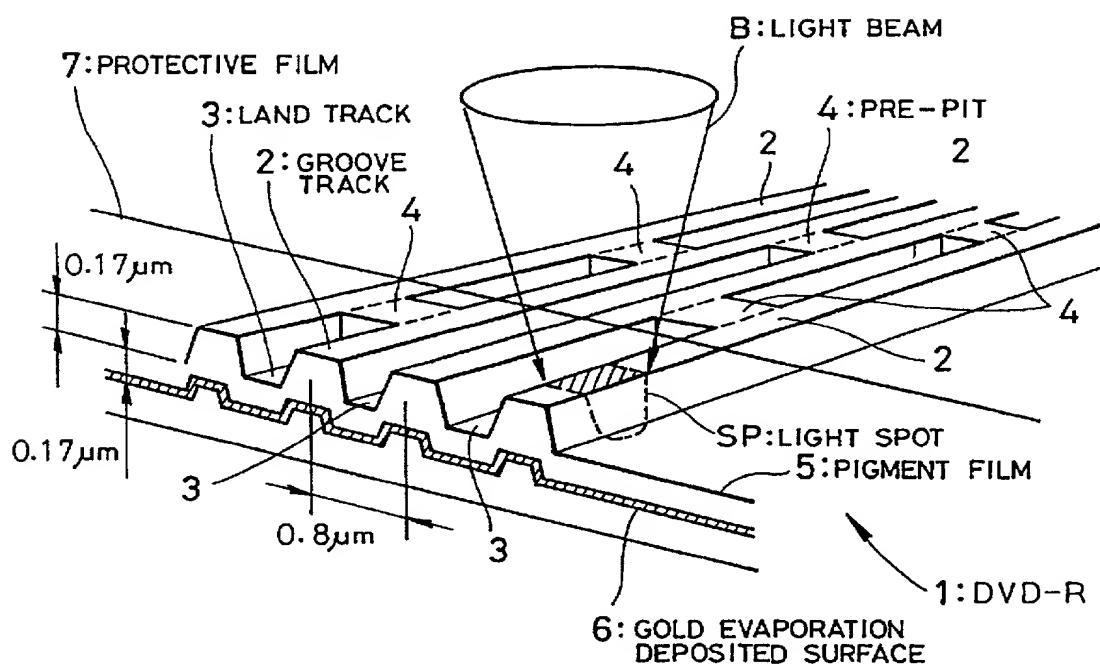


FIG.2

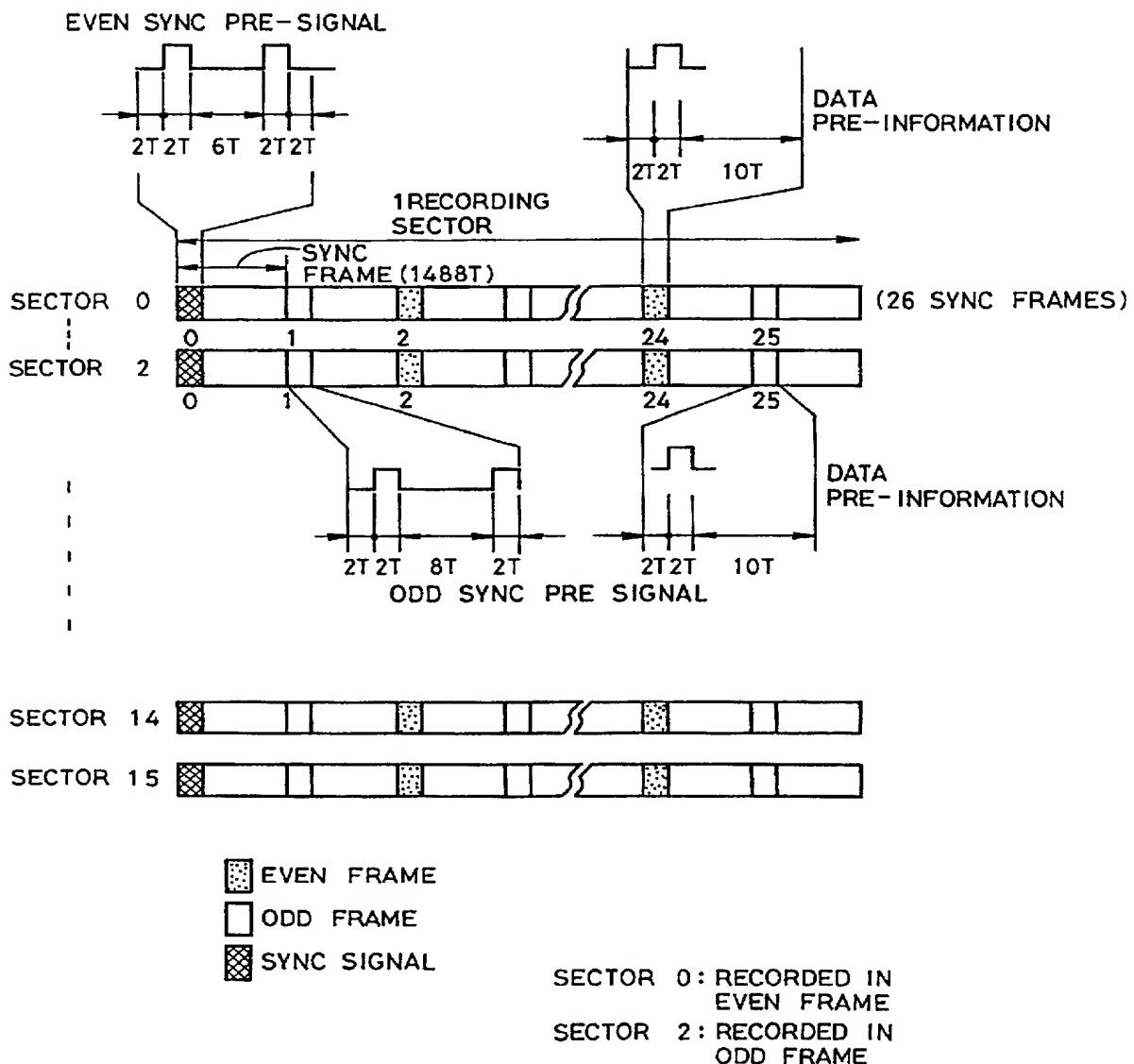
RECORDING FORMAT OF
PRE-INFORMATION OR
RECORDING INFORMATION

FIG. 3

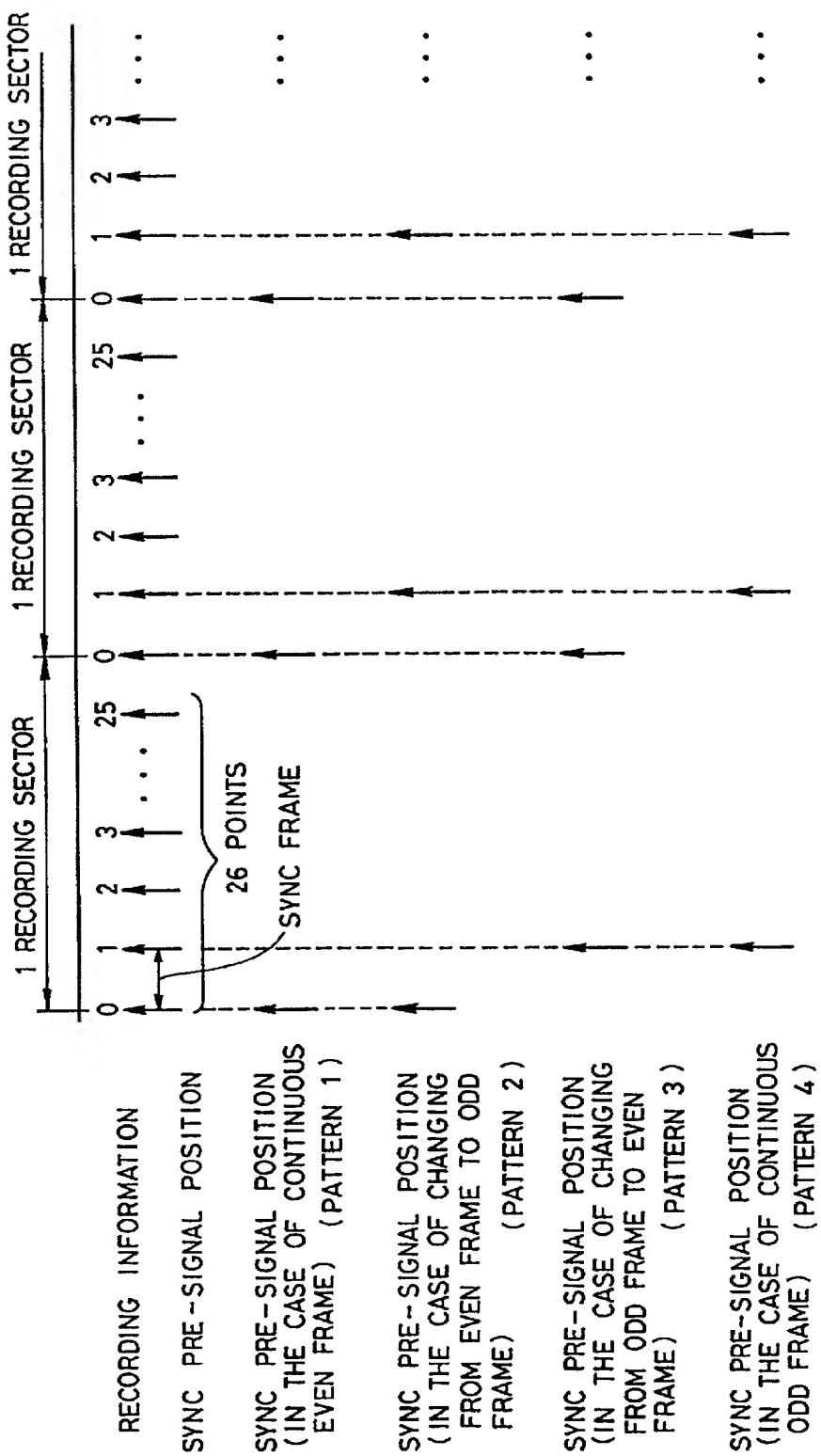
DETECTION PATTERN OF
SYNC PRE SIGNAL

FIG. 4

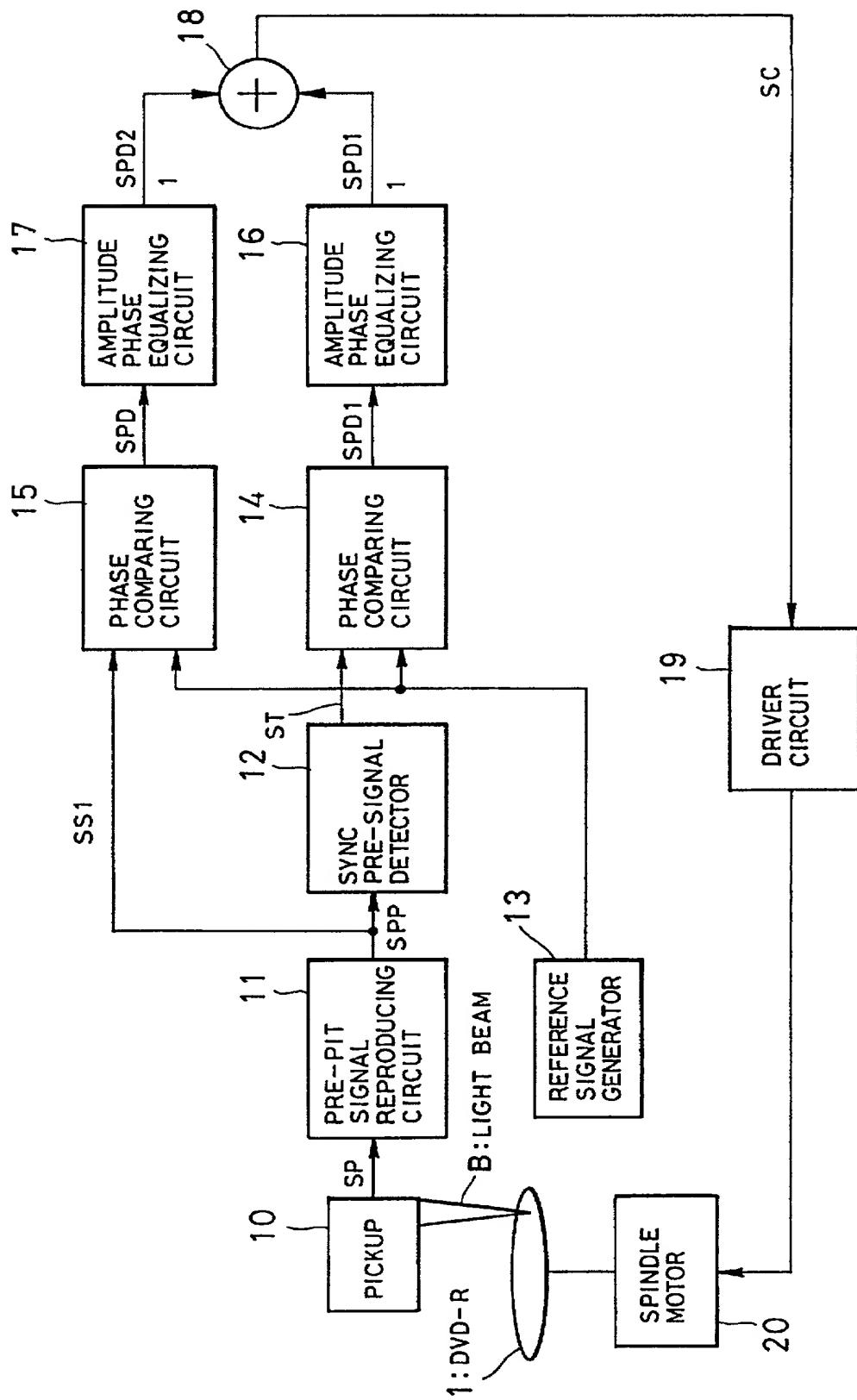


FIG. 5

SCHEMATIC CONSTRUCTION OF PICKUP AND PRE-PIT SIGNAL GENERATOR OF EMBODIMENT

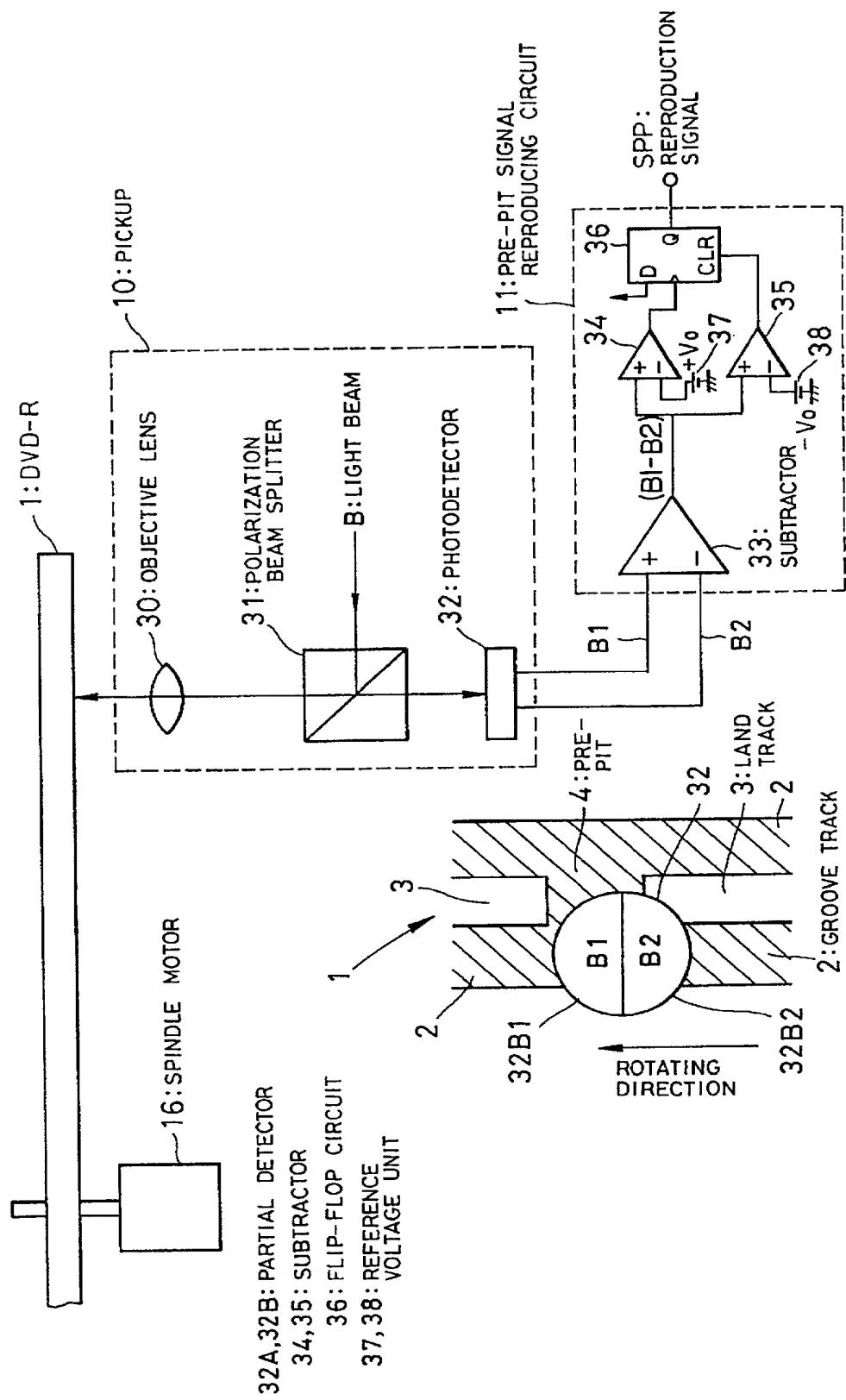


FIG. 6A

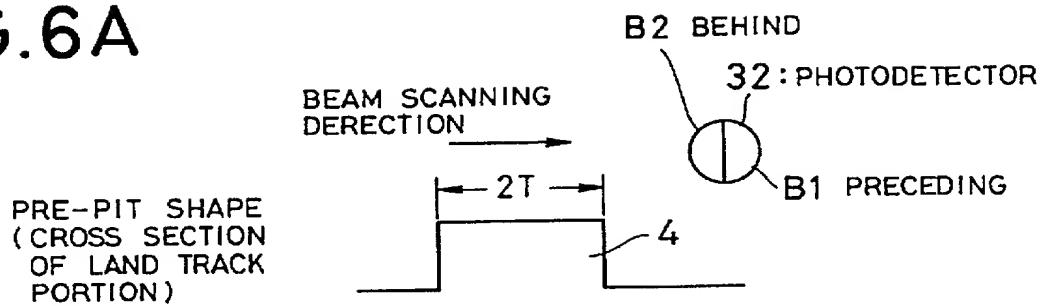


FIG. 6B

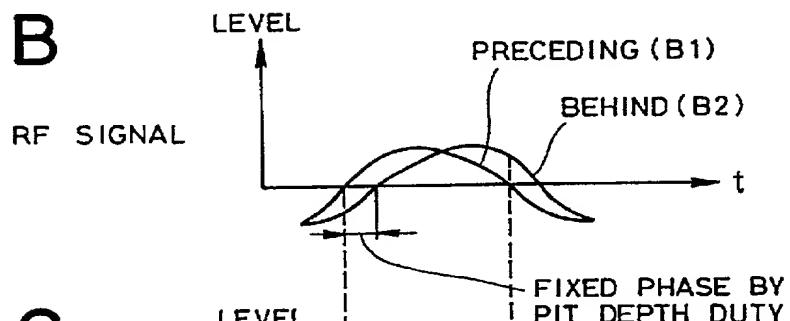


FIG. 6C

TANGENTIAL AND
PUSH-PULL SIGNAL
(-)

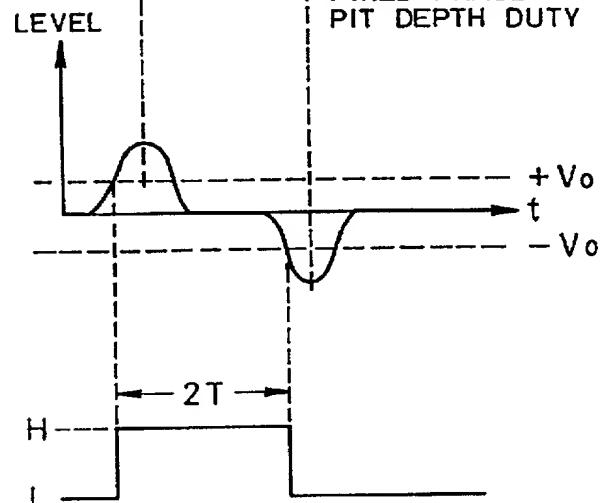


FIG. 6D

SPP

FIG. 7
PHASE COMPARING CIRCUIT 14

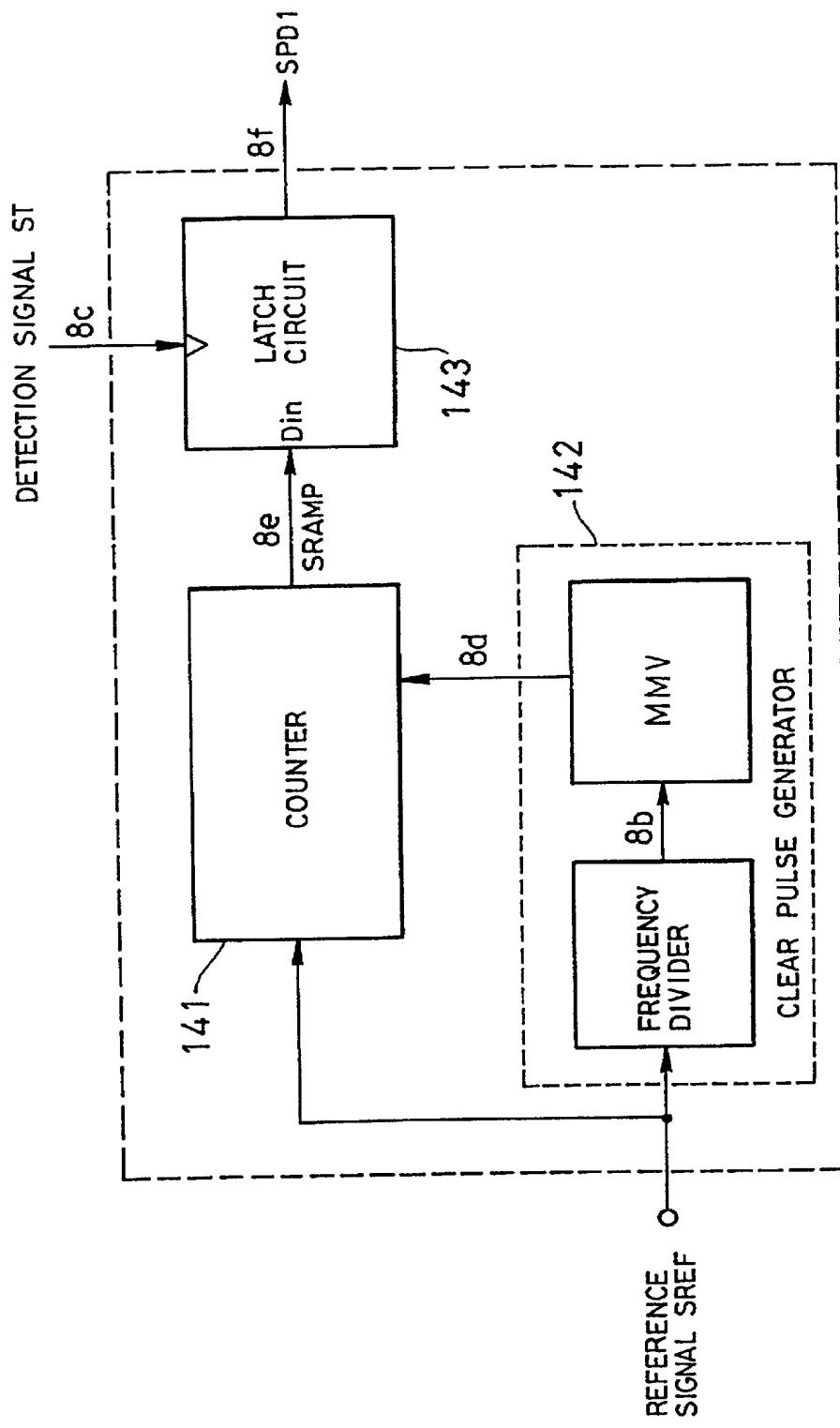


FIG. 8
PHASE COMPARING CIRCUIT 1

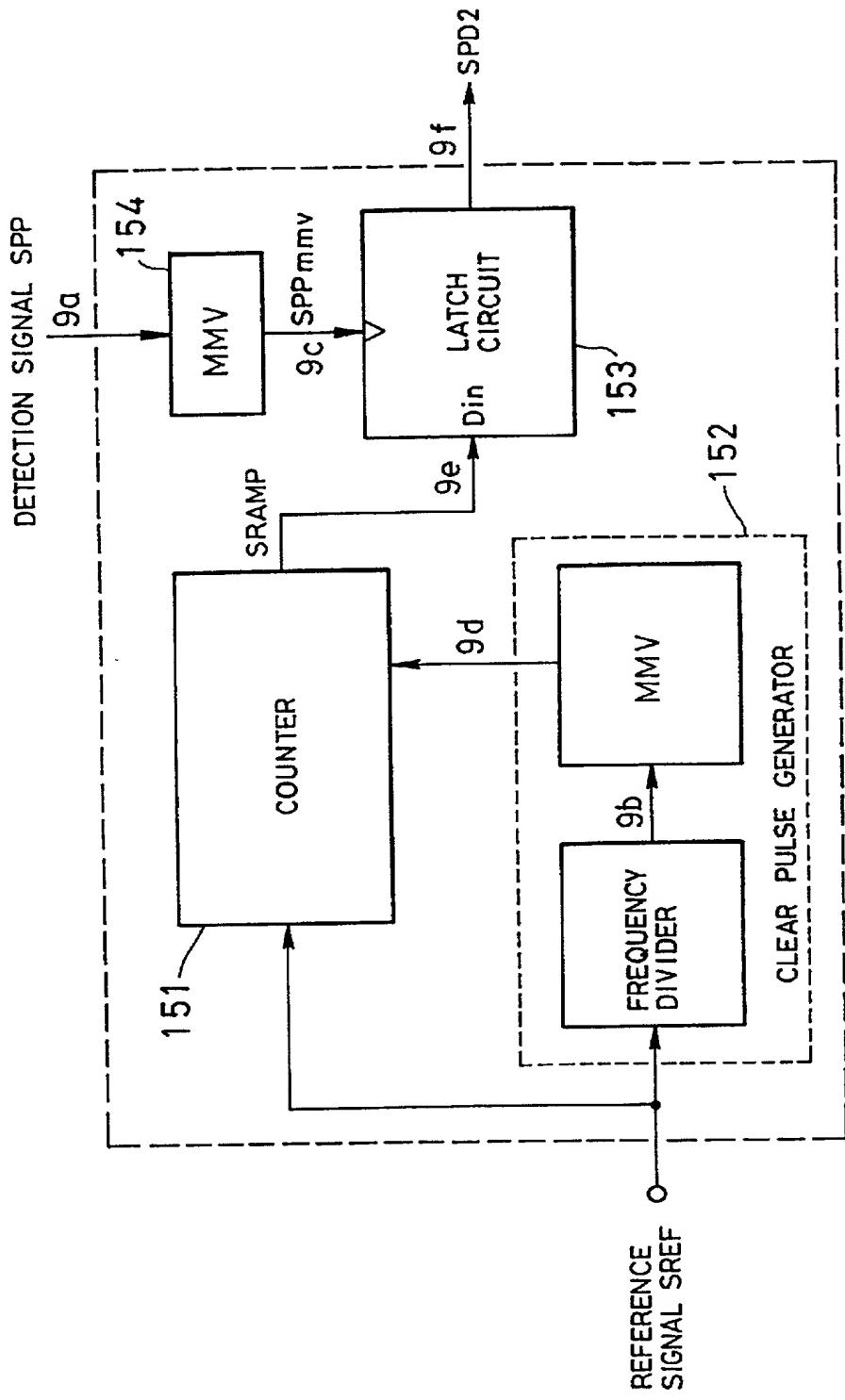


FIG. 9A

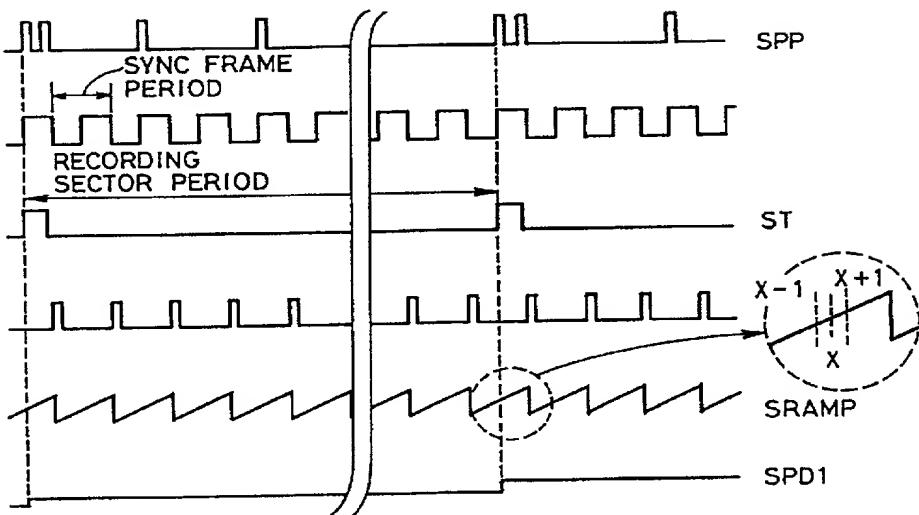


FIG.10A

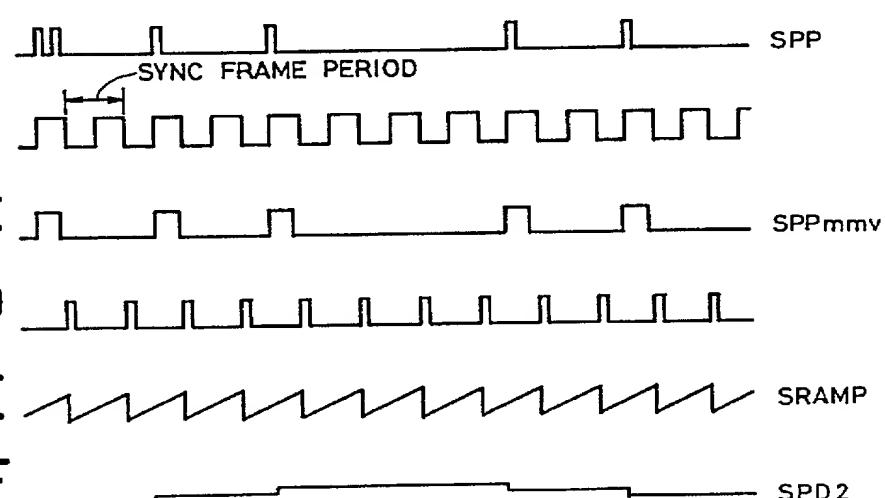


FIG. 11

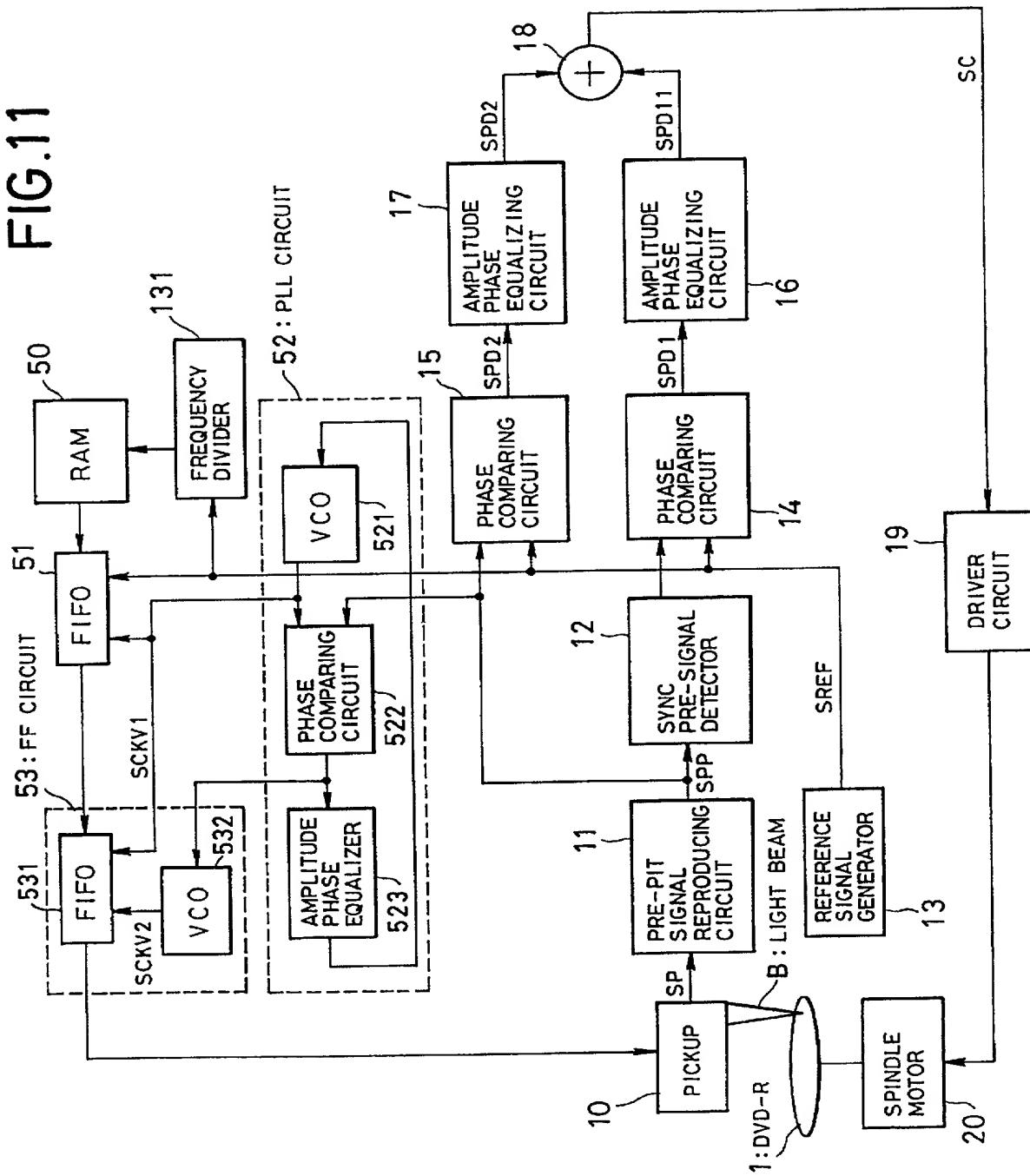


FIG.12

PHASE COMPARING CIRCUIT 522

